

Mini symposium (MS03)

Functional materials and composites

Organizers:

Wael Zaki, Khalifa University, UAE

Tarak Ben Zineb, Université de Lorraine, France

Description:

The mini symposium will provide an opportunity to share and discuss the latest advances related to the design, modeling, fabrication, and characterization of functional materials and composites comprising one or more adaptive phases. Of particular interest are contributions that cater to the following topics:

- Additive manufacturing of metamaterials and interpenetrating phase composites,
- 4D printing of adaptive structures,
- Correlation of process parameters and material properties in additive manufacturing,
- Modeling and simulation of materials and fabrication processes,
- New applications and fabrication methods,
- Artificial intelligence and data-driven techniques for multiphysics modeling of functional materials and composites,
- Computer-driven development of applications based on functional materials and composites.